



DAFTAR PUSTAKA

- Aji M. 2011. Pengelolaan pemangkasan tanaman teh (*Camellia sinensis* (L.) O. Kuntze) di PT. Perkebunan Rumpun Sari Kemuning Karanganyar, Jawa Tengah [skripsi]. Fakultas Pertanian, IPB, Bogor.
- Ali H. 2002. Protein-phenolic interaction in food [thesis]. Departement of Food Science and Agricultural Chemistry, McGill University Quebec.
- Ankolekar C, Terry T, Johnson K, Johnson D, Barbosa ACL, Shetty K. 2010. Anti-hyperglycemic properties of tea (*Camellia sinensis*) bioactive using *in vitro* assay models and influence of extraction time. Mary Ann Liebert Inc, [Online] 14 (10). Abstract from J Med Food. [14 September 2011].
- Aryani. 2011. Penting diketahui! kebiasaan umum yang salah dalam mengonsumsi minuman atau makanan. <http://www.kesehatan.kompasiana.com>. [20 September 2011]
- Astawan M. 2009. *Hand Out Metode Evaluasi Nilai Biologis Komponen Pangan*. Sekolah Pascasarjana IPB, Bogor.
- Astill C, Birch MR, Decombe C, Humphrey PG, Martin PT. 2001. Factors affecting the caffeine and polyphenol contents of black and green tea infusions. *J Agric Food Chem* 49: 5340-5347.
- Atanassova M, Bagdassarian VC. 2009. Determination of tannins content by titrimetric method for comparison of different plant species. *Journal of the University of Chemical Technology and Metallurgy* 44 (4): 413-415.
- Balentine DA, Robinson IP. 1998. Tea as a source of dietary antioxidants with a potential role in prevention of chronic diseases. *Di dalam: Mazza D, Oomah BD (eds.). Herbs, Botanicals, and Teas*. USA: CRC Press, pp 265-281
- Bate-Smith EC, Swain T. 1962. Flavonoid compounds. *Di dalam: Mason, Florkin (eds.). Comparative Biochemistry Volume 3A*. Academic Press.
- Bayer GD, Yaoguang L, Withers SG. 1995. The structure of human pancreatic α -amylase at 1.8 Å resolution and comparisons with related enzymes. *Protein Sci* 4: 1730-1742.
- Berdanier CD, Dwyer J, Feldman EB. 2006. *Handbook of Nutrition and Food Second Edition*. USA: CRC Press.
- Cai YZ, Luo Q, Sun M, Corkea H. 2007. Antioxidant activity and phenolic compound of 112 traditional chinese medicinal plants associated with anticancer. *Life Sci* 74: 2157-2184.
- Calder PC, Geddes R. Acarbose is a competitive inhibitor of mammalian lysosomal acid alpha-D-glucosidases. *Carbohydr Res*, [Online]. Abstract from Department of Biochemistry, University of Auckland, New Zealand. <http://www.ncbi.nlm.nih.gov>. [17 November 2011]
- Capecka E, Marcezeek A, Leja M . 2005. Antioxidant activity of fresh and dry herbs of some *Lamiales* sp. *J Food Chem* 93:223-226.
- Cummings J, Mann J. 2009. Carbohydrates. *Di dalam: Mann J, Truswell AS (eds.). Essentials of Human Nutrition*. New York: Oxford University Press, pp 35-71
- [Depkes] Departemen Kesehatan RI. 2003. Peran DIIT dalam penanggulangan diabetes. Makalah dalam Seminar Pekan Diabetes, 25-27 Maret 2003, Jakarta.
- [Depkes] Departemen Kesehatan RI. 2005. Jumlah penderita diabetes Indonesia ranking ke-4 di dunia. Berita Dep. Kes. RI. 5 September 2005.
- Eden T. 1958. *Tea*. London: Longmans, Green and Co.

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- Engelhardt UH, Lakenbrink C, Pokorny O. 2003. Proanthocyanidins, bisflavanols, and hydrolyzable tannins in green and black teas. ACS Symposium Series, [Online]. Abstract from American Chemistry Society. <http://www.pubs.acs.org>. American Chemistry Society. [29 Oktober 2011]
- Escribano MT, Santos C. 2002. Polyphenol extraction from foods. *Di dalam*: Esribano MT, Santos C (eds.). *Methods in Polyphenol Analysis*. USA: CRC Press.
- [FAO] Food and Agriculture Organization. 2000. Quantifications on tannins in tree foliage. Vienna: Animal Production and Health Sub-Program.
- Ferey-Roux G, Perrier J, Forest E, Marchis-Mouren G, Puigserver A, Santimone M. 1998. The human pancreatic α -amylase isoform: isolation, structural studies and kinetics of inhibition by acarbose. *Laboratoire de Biochimie Universite d'Aix-Marseille*, [Online]. 1388 (1). Abstract from BBA. <http://sciencedirect.com>. BBA. [21 Oktober 2011]
- Friedman M, Jurgens HS. 2000. Effect of pH on the stability of plant phenolic compounds. Western Regional Research Center, [Online]. 48 (6). Abstract from American Chemistry Society. <http://www.pubs.acs.org>. American Chemistry Society. [12 Oktober 2011]
- Fogarty, W. M. 1983. *Microbial Enzymes and Biotechnology*. Appl. Sci. Publ, London.
- Gao H, Huang YN, Gao B, Li P, Inagaki C, Kawabata J. 2008. Inhibitory effect on α -glucosidase by *Adhatoda vasica* Nees. *Food Chem* 108: 965-972.
- Garro Gavlez JM, Reidl B, Fechtal M. 1996. Gallic acid as a model of tannins in condensation with formaldehyde. *Thermochemica Acta* 274: 149-163.
- Goldenhuis L. 2009. Influence of oxygen addition on the phenolic composition of red wine [thesis]. Department of Viticulture and Oenology, Faculty of AgriSciences, Stellenbosch University.
- Guilbault, GG. 1976. *Handbook of Enzyme Methods of Analysis*. New York: Marcel Dekker Inc.
- Hagerman AE, Butler LG. 1978. Protein precipitation method for the quantitative determination of tannin. *J Agric Food Chem* 26: 809-812.
- Hagerman AE. 2002. *Tannin Chemistry*. USA: Departement of Chemistry and Biochemistry Miami University, Oxford.
- Hara Y, Honda M. 1990. The inhibition of alpha amylase by tea polyphenol. *Agruic Biol Chem* 54: 1939-1945.
- Harbourne N, Christopher J, O'Riordan D. 2009. Optimisation of extraction and processing conditions of chamomile (*Matricaria chamomilla* L.) for incorporation into a beverage. *Food Chem* 115: 15-19
- Hart H, Craine LE, Hart DJ. 2003. *Kimia Organik-Suatu Kuliah Singkat Edisi Kesebelas*. (Tejemahan Achmadi SS). Erlangga, Jakarta
- Hartoyo, A. 2003. *Teh dan Khasiatnya bagi Kesehatan*. Kanisius, Yogyakarta.
- Haslam E. 1989. Plant Polyphenols. *Vegetable Tannins Revisited*. Cambridge University Press.
- Haslam E, Williamson MP, Baxter NJ, Charlton AJ. 1999. Astringency and polyphenol protein interaction. *Recent Advance in Phytochemistry* 33: 289.
- Hill C. 2009. A return to zhuyeqing garden. <http://www.chinateatravels.com> [14 September 2011].
- Huang MT, Liu Y, Ramji D. 2006. Inhibitory effects of black tea theaflavin derivatives on 12-O-tetradecanoylphorbol-13-acetate-induced-inflammation and arachidonic acid metabolism in mouse ears. *J Nutr Food Res* 50: 115-122.
- [IDF] The International Diabetes Federation. 2011. Diabetes data. www.idf.org [25 Juli 2011].
- Info Obat Indonesia. 2009. Acarbose. <http://infodrugindonesia.blogspot.com> [15 November 2011]
- Kawamoto H, Nakatsubo F. 1997. Effect of environmental factors on two-stage tannin-protein co-precipitation. *Phytochem* 46: 479-483.



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- Kassim MJ, Hussin MH, Achmad A, Dahon NH, Kim Suan T, Hamdan HS. 2011. Determination of total fenol, condensed tannin, flavonoid contents and antioxidant activity of *Uncaria gambir* extracts. *Majalah Farmasi Indonesia* 22 (1): 50-59
- Kim JS, Ju JB, Choi CW, Kim SC. 2006. Hypoglycemic and antihyperlipidemic effect of four korean medicinal plants in alloxan induced diabetic rats. *Amer J Biochem and Biotech* 2:154-160.
- Kusumanigrum D. 2008. Pemetaan Karakteristik Komponen Polifenol untuk Mencegah Kerusakannya pada Minuman Teh *Ready to Drink* (RTD) [skripsi]. Fakultas Teknologi Pertanian, Institut Pertanian Bogor, Bogor.
- Kwon YI, Apostolidis E, Shetty K. 2006. Inhibitory potential of wine and tea against α -amylase and α -glucosidase for management of hyperglycemia linked to type 2 diabetes. *J Food Biochem* 32: 15-31.
- Kyle M, Duthie D. 2006. Flavonoid in Foods. *Di dalam: Andersen J, Markham A* (eds.). *Flavonoids*. USA: CRC Press, pp 254-285
- Laresolo B. 2007. Bagaimana cara nmedyduh teh yang benar. <http://www.kedaitehlaresolo.com> [8 Mei 2011]
- Lazarus SA, Schmitz HH. 2000. Dietary flavonoids may promote health, prevent hearth disease. *California Agric* 54 (5): 33-39.
- Lebovitz. 1997. Alpha-glucosidase inhibitor. *Endocrinology and Metabolism Clinics of North America* 26: 539-551.
- Lee MJ, Lambert JD, Prabhu, S, Yang CS. 2005. Delivery of tea polyphenol to the oral cavity by green tea leaves and black tea extract. *Cancer epidemiol. Biomarkers Prev.* 13: 132-137.
- Lee SH, Park MH, Heo SJ, Kang SM, Ko SC, Han JH, Jeon YJ. 2010. Dieckol isolated from *Ecklonia cava* inhibits α -glucosidase and α -amylase in vitr and alleviates postprandial hyperglycemia in streptozotocin –induced diabetic mice. *Food Chem Toxicology* 48 : 2663-3637.
- Lehninger AL. 1982. *Dasar-Dasar Biokimia* (terjemahan M. Thenawidjaja). Erlangga, Jakarta.
- Lin JK. 2009a. Mechanism of cancer chemoprevention by tea and te polyphenol. *Di dalam: Ho CT, Lin JK, Shahidi F* (eds.). *Tea and Tea Product: Chemistry and Health-Promoting Properties*. USA: CRC Press, Taylor and Francis Group, pp 161-171
- Lin JK, Chen YW, Yn S, Shiau L. 2009b. Inhibition of breast cancer cell proliferation by theaflavins and epigallocatechin 3-gallate through suppressing proteasomal activiteies. *Di dalam: Ho CT, Lin JK, Shahidi F* (eds.). *Tea and Tea Product: Chemistry and Health-Promoting Properties*. USA: CRC Press, Taylor and Francis Group, pp 191-210
- Lin JK, Shiau L. 2009c. Fermented tea is more effective than unfermented tea in suppressing lipogenesis and obesity. *Di dalam: Ho CT, Lin JK, Shahidi F* (eds.). *Tea and Tea Product: Chemistry and Health-Promoting Properties*. USA: CRC Press, Taylor and Francis Group, pp 233-244
- Lokeswari N, Sujatha P. 2011. Isolation of tannins from *Caesalpinia coriaria* and effect of physical parameters. *Internation Res J Pharm* 2 (2): 146-152.
- Luo JG, Ma L, Kong LY. 2008. New triterpanoid saponins with strong α -glucosidase inhibitory activity from the roots of *Gypsophila oldhamiana*. *Bioorganic & Med Chem* 16 (6): 2912-2920.
- Mann J, Truswell AS. 2009. *Essentials of Human Nutrition*. New York: Oxford University Press.
- Marostica Jr MR, Leite AV, Dragano NRV. 2010. Supercritical fluid extraction and stabiltization of phenolic compounds from natural sources-review (supercritical extraction and stabilization of phenolic compounds). *The Open Chem Engineer J* 4: 51-60.
- Mayur B, Sandez S, Shrutí S, Sung-Yum S. 2010. Antioxidant and alpha-Glucosidase inhibitory properties of *Carpesium abrotanoides* L. *J Med Plant Res* 4 (15) : 1547-1553.



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- McCue P, Vatter D, Shetty K. 2004. Inhibitory effect of clonal oregano extracts against porcine pancreatic amylase *in vitro*. *Asia Pac J Clin Nutr* 13 (4): 401-408
- McDougall GJ, Kulkarni NN, Stewart D. 2009. Berry polyphenol inhibit pancreatic lipase activity *in vitro*. *Food Chem* 115: 193-199.
- Miller D, Benito P. 1998. Iron absorption and bioavailability: an update review. *Nutrition Research*, [Online]. 18 (3). Abstract from Science Direct. <http://www.sciencedirect.com>, Science Direct. [18 Oktober 2011]
- Millic B, Stojanovic S, Vucureuc N, Turcic M. 1968. Chlorogenic and quinic acids in sunflower meal. *J Sci Food Agric* 19: 108.
- Molyneux RJ, Roitman JN, Dunnheim G, Szumilo T, Elbein AD. 1986. 6-Epicastanospermine, a novel indolizidine alkaloid that inhibits alpha glucosidase. *Arch Biochem Biophys* 251 (2): 450-457.
- Moraes de Souza RA, Oldoni TLC, Regitano de'Arce MAB, Alencar SM. 2008. Antioxidant activity and phenolic composition of herbal infusions consumed in Brazil. *Cienc. Tecnol. Aliment* 6(1):41-47.
- Muchtadi D, Palupi NS, Astawan M. 1993. *Metabolisme Zat Gizi: Sumber, Fungsi, dan Kebutuhan bagi Tubuh Manusia*. Jakarta: Pustaka Sinar Harapan.
- Muchtadi D, Palupi NS, Astawan M. 2006. *Metabolisme Zat Gizi: Sumber, Fungsi, dan Kebutuhan bagi Tubuh Manusia*. Jakarta: Pustaka Sinar Harapan.
- Nasution MZ, Tjiptadi W. 1975. Pengolahan teh [skripsi]. Departemen Teknologi Hasil Pertanian, FATEMETA, IPB, Bogor.
- Nugraha G. 1999. Pemanfaatan tanin dari kulit kayu akasia (*Acacia mangium* Willd) sebagai bahan penyamak nabati [skripsi]. Fateta, IPB, Bogor.
- Ono Y, Hattori E, Fukaya Y, Imai S, Ohizumi Y. 2005. Anti-obesity effect of Nelumbo nucifera leaves extract in mice and rats. *J Ethnopharm* 106: 236-244.
- Panju DT. 2008. Teh dan pengolahannya. <http://www.images.dyagi.multiply.multiplycontent.com> [11 Maret 2011]
- Pequet V, Croux C, Goma G, Soucaille P. 1991. Purification and characterization of extracellular alpha-amylase from *Clostridium acetobutylicum* ATCC 824. *Appl Environ Microbiol* 57 (1): 212-218.
- Qader SAU, Bano S, Aman A, Syed N, Azhar, A. 2006. Enhanced production and extracellular activity of commercially important amylolytic enzyme by a newly isolated strain of *Bacillus* sp. AS-1. *Turkish J Biochem*. 31 (3) : 135-140
- Ramji D, Huang MT, Shahidi F, Ho CT. 2009. Effect of tea and tea constituents on inflammation. *Di dalam*: Ho CT, Lin JK, Shahidi F (eds.). *Tea and Tea Product: Chemistry and Health-Promoting Properties*. Boca Raton: CRC Press, Taylor and Francis Group USA, pp 177-190
- Rangari, V. D. 2007. *Pharmacognosy: Tannin Containing Drugs*. Nagpur: J. L. Chaturvedi College of Pharmacy.
- Resource. 1996. An investigation of caffeine content in tea-an abstract. <http://www.resources.edb.gov.hk>. [19 Oktober 2011]
- [Riskesdas] Riset Kesehatan Dasar. 2007. Laporan hasil riset kesehatan dasar nasional 2007. www.docstoc.com. [25 Juli 2011].
- Ross CF, Hoyer Jr C, Fernandez-Plotka VC. 2011. Influence of Heating on the Polyphenolic Content and Antioxidant Activity of Grape Seed Flour. Wiley, [Online].76 (6). Abstract from Journal of Food Science. <http://www.onlinelibrary.wiley.com>, J Food Sci. [19 November 2011].



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- Sanusi H. 2011. Peranan obat hipoglikemik oral pada pengobatan diabetes melitus. <http://www.dokternetworkangk97.blogspot.com/2011/02/peranan-obat-hipoglikemik-oral-pada.html>. [7Agustus 2011].
- Sartika D. 2011. Analisis kebisingan pada proses pengolahan teh hitam di ruang penggilingan, pengeringan, dan sortasi di PTPN VIII Perkebunan Gunung Mas, Cisarua, Jawa Barat [skripsi]. Fakultas Teknologi Pertanian, IPB, Bogor.
- Shahidi F, Nacz MG. 2004. *Phenolic in Food and Nutraceuticals*. USA: CRC Press
- Shai LJ, Masako P, Mokgotho MP, Magono SR, Mogale AM, Boadou N, Ellof JN. 2010. Yeast alpha glucosidase inhibitory and antioxidant activities of six medicinal plants collected in Phalaborwo, South Africa. *South Afri J of Botany* 76: 465-470.
- Shetty, K. 2006. *Food Biotechnology*. USA: CRC Press, Taylor and Francis Group
- Siebert K.J. 1999. Reviews- Effect of protein-polyphenol interaction on beverage haze, stabilization and Analysis. *J Agric Food Chem* 47 (2) : 353.
- Siregar CT. 2004. Kebutuhan dasar manusia eliminasi buang air besar [makalah]. Sumatera Utara: Program Studi Keperawatan, Fakultas Kedokteran, Universitas Sumatera Utara.
- Siro MR, Lovgren T. 1978. On the properties of alpha-glucosidase on binding of glucose to the enzyme. PubMed, [Online]. 32(6). Abstract from *Acta Chem Scand B*. <http://www.ncbi.nlm.nih.gov>, *Acta Chem Scand B*. [19 Oktober 2011].
- Trycharz S, Shetty K. 2002. Effect of *Agrobacterium rhizogenes* on phenolic content of *Mentha pulegium* elite clonal line phytoremediation applications. *Process Biochemistry* (38): 287-293.
- Suarsana IN, Priosoeryanto P, Bintang M, Wresdiyati T. 2008. Aktivitas daya hambat enzim -glukosidase dan efek hipoglikemik ekstrak tempe pada tikus diabetes. *J Vet* 9 (3): 122-127.
- Tadera K, Minami Y, Takamatsu K, Matsuoka T. 2006. Inhibition of -glucosidase and -amylase by flavonoids. *J Nutrion Sci and Vitamin* 52 (2): 149:153.
- Tanaka T, Matsuo Y, Kouno I. 2009. Production of theaflavins, theasinensins, and related polyphenols during tea fermentation. *Di dalam: Ho CT, Lin JK, Shahidi F (eds.). Tea and Tea Product: Chemistry and Health-Promoting Properties*. USA: CRC Press, Taylor and Francis Group, pp 59-76
- Thalapeneni NR, Chidambaram KA, Ellapan T, Sabapathi ML, Mandal SC. 2008. Inhibition of carbohydrate digestive enzymes by *Talinum portulacifolium* (Forssk) leaf extract. *J Compl Integ Med* 5 (1): 1-10.
- Tirtasujana DR. 1997. Mempelajari aspek pengolahan teh hitam CTC di PT. Perkebunan Gunung Mas, Bogor, Jawa Barat [laporan praktek magang]. Fakultas Teknologi Pertanian, IPB, Bogor.
- Tuminah S. 2004. Teh (*Camelia sinensis* O.K. Var Assamica (Mast)) sebagai salah satu sumber antioksidan. *Cermin Dunia Kedokteran* 44: 52-54.
- Ullah MR. 1991. Tea. *Di dalam Fox PF (ed.). Food Enzymology Volume 2*. London and New York: Elvisier Applied Science, pp 163-177
- Ummah MK. 2010. Ekstraksi dan pengujian aktivitas antibakteri senyawa tanin pada daun belimbing wuluh (*Averrhoa bilimbi l.*) (kajian variasi pelarut). [skripsi]. Malang: Jurusan Kimia, Fakultas Sains dan Teknologi, Universitas Islam Negeri Maulana Malik Ibrahim Malang.
- Valant-Vetschera KM, Wollenweber E. 2006. Flavons and Flavonols. *Di dalam: Andersen J, Markham A (eds.). Flavonoids*. USA: CRC Press, pp 254-285
- Volgina TN, Kukurina OS, Novikov VT. 2005. Study of phenol destruction by means of oxidation. *Chem for Sustain Develop* 13: 41-44



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- Wan X, Li D, Zhang Z. 2009. Green and black tea manufacturing and consumption. *Di dalam: Ho CT, Lin JK, Shahidi F (eds.). Tea and Tea Product: Chemistry and Health-Promoting Properties.* USA: CRC Press, Taylor and Francis Group, pp 1-8.
- Waterhouse, A. L. 2002. Determination of Total Phenolic-Current Protocol in Food Analysis Chemistry. John Willey and Sons, Inc.
- Whampler DJ. 2011. Technical reports on tea. <http://www.sensusflavors.com/t-r-tea.html> [14 September 2011]
- [WHO] World Health Organization. 2011. Diabetes. <http://www.who.int/en/> [12 Mei 2010]
- Widowati S. 2007. Pemanfaatan ekstrak teh hijau dalam pengembangan beras fungsional untuk penderita diabetes melitus [tesis]. Program Pascasarjana, Institut Pertanian Bogor, Bogor.
- Willet W, Manson J, Liu S. 2002. Glycemic index, glycemic load and risk of type 2 diabetes. *Am J Clin Nutr* 76(1):274S-280S.
- Winarno FG. 1995. *Enzim Pangan*. Jakarta: PT. Gramedia Pustaka Utama
- Wong C, Cheng K., Chao J, Wang M. 2009. Analytical methods for bioactive compounds in teas. *Di dalam: Ho CT, Lin JK, Shahidi F (eds.). Tea and Tea Product: Chemistry and Health-Promoting Properties.* USA: CRC Press, Taylor and Francis Group, pp 77-110
- Yang Li. 2009. Optimum extraction process of polyphenol from the bark of *Phyllanthus emblica* L. Based on the response surface methodology. *J Separation Sci* 12: 143
- Zajoncova L, Kosina P, Vicar J, Ulrichova J, Pec P. 2005. Study of the inhibition of α -amylase by the benzo[c]phenanthridine alkaloids sanguinarine and chelerythrine. *J Enzyme Inhibit & Med Chem* 20(3): 261-267.
- Zega. 2010. Pengembangan produk jelly drink berbasis teh (*Camelia sinensis*) dan secang (*Caesalpinia sappan* L.) sebagai pangan fungsional [skripsi]. Fakultas Teknologi Pertanian IPB, Bogor.
- Zhang J, Kashket S. 1998. Inhibition of salivary amylase by black tea and green teas and their effects on the intraoral and hydrolysis of starch. *Forsyth Dental Center*, [Online]. 32 (3). Abstract from Center for Research on the Oral and Biological Effects of Foods database. <http://www.content.karger.com>. Center for Research on Oral and Biological Effects of Foods. [14 September 2011].